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The majority of virtual endoscopy techniques tries to simulate a real endoscopy. A real endoscopy does not always give the optimal information due to the physical limitations it is subject to. In this paper, we deal with the unfolding of the surface of the colon as a possible visualization technique for diagnosis and polyp detection. A new two-step technique is presented which deals with the problems of double appearance of polyps and nonuniform sampling that other colon unfolding techniques suf ...

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and tracking in real-time news broadcasting analysis

Lie Lu , Hong-Jiang Zhang

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Lichan Hong , Shigeru Muraki , Arie Kaufman , Dirk Bartz , Taosong He

Proceedings of the 24th annual conference on Computer graphics and interactive techniques August 1997

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simplified medial axis

Mark Foskey , Ming C. Lin , Dinesh Manocha

Proceedings of the eighth ACM symposium on Solid modeling and applications

June 2003

Applications of the medial axis have been limited because of its instability and algebraic complexity. In this paper, we use a simplification of the medial axis, the θ -SMA, that is parameterized by a separation angle (θ) formed by the vectors connecting a point on the medial axis to the closest points on the boundary. We present a formal characterization of the degree of simplification of the θ -SMA as a function of θ , and we quantify the degree ...

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Anna Vilanova Bartrolí , Rainer Wegenkittl , Andreas König , Eduard Gröller

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```
(distance image) <and> (downsampl* <or>
down-sampl* <or> subsampl* <or>
sub-sampl* <or> sampl*)
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```
(distance <near/2> (map* <or> transform* <or> domain) <and> (undersampl* <or> (under sampl*) <or> (sub sampl*) <or> (down sampl*))
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Computer Vision, 2001. ICCV 2001. Proceedings. Eighth IEEE International Conference on , Volume: 2 , 7-14 July 2001
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(distance transform*)

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(distance transform*) <and> (subpixel
<or> (sub pixel) <or> subgrid <or> (sub grid))

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(distance transform*) <and> (accuracy)

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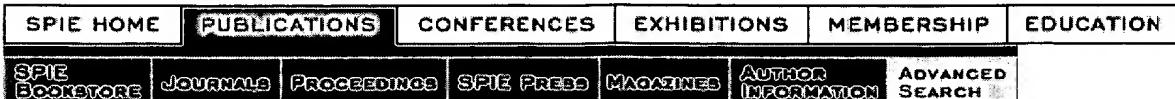


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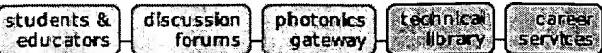


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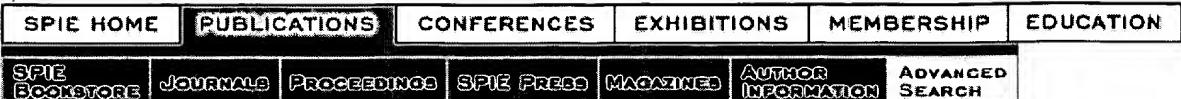


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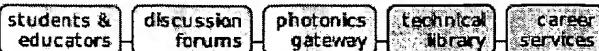


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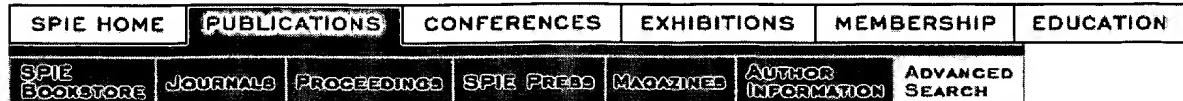


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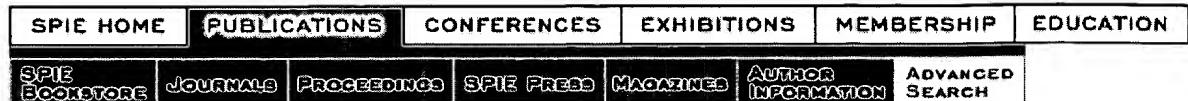


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